

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Recombinant Human NPTX1 (C-6His) EBT-EPT103

Article Name	Recombinant Human NPTX1 (C-6His)
Biozol Catalog Number	EBT-EPT103
Supplier Catalog Number	EPT103
Alternative Catalog Number	EBT-EPT103-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Neuronal Pentraxin-1 is produced by our Mammalian expression system and the target gene encoding Gln23-Asn432 is expressed with a 6His tag at the C-terminus....
Molecular Weight	Molecular weight: 45.9 KDa. Apparent molecular weight: 50-55 KDa, reducing conditions
UniProt	Q15818
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test. Background: Neuronal Pentraxin (NPTX1, NP1) is a secreted glycoprotein within the Pentraxin family. NPTX1 is co-expressed and forms heteromultimers with the related secreted protein, NPTX2/NARP, NPTXR (Neuronal Pentraxin Receptor) at excitatory synapses. Mature human NPTX1 shares 97% aa sequence identity with mouse, and rat NPTX1. It is produced by hippocampal, cerebral and cerebellar neurons, retinal ganglia and the inner nuclear layer of the retina. It is enriched on presynaptic axonal membranes where it forms complexes with NPTXR. It may be involved in mediating uptake of synaptic material during synapse remodeling or in mediating the synaptic clustering of AMPA glutamate receptors at a subset of excitatory synapses